

PATENT COOPERATION TR



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

anslation inter	PATENT COOPI	ERATION TR	13 OCT 2007/EP2003
anslat.	_	CT	
INTER	NATIONAL PRELIMI		ATION REPORT
	(PCT Article	36 and Rule 70)	
Applicant's or agent's file reference 02031WO/HB	FOR FURTHER A	CTION See Notifi Preliminary	cation of Transmittal of Internation Examination Report (Form PCT/IPEA/4
International application No.	International filing da		Priority date (day/month/year)
PCT/EP2003/004057		(17.04.2003)	20 April 2002 (20.04.2002)
International Patent Classification (II C08K 3/22	°C) or national classification ar	d IPC	
Applicant	CHEMETA	II GMBH	
	CHEWISTA	DL GIVIDII	
This report is also accamended and are the 70.16 and Section 60 These annexes consis 3. This report contains indicati I Basis of the II Priority III Non-establi IV Lack of uni V Reasoned st citations and VI Certain doc VII Certain defe	basis for this report and/or sheet of the Administrative Instruct of a total of 1	sheets of the descriptions containing rectifications under the PCT). sheets. consens: to novelty, inventive statement	ion, claims and/or drawings which have beations made before this Authority (see Fitter and industrial applicability inventive step or industrial applicability;
Date of submission of the demand		Date of completion	of this report
Date of submission of the demand 14 November 200	3 (14.11.2003)	_	August 2004 (24.08.2004)
Name and mailing address of the IF	'EA/EP	Authorized officer	
Facsimile No.		Telephone No.	

Form PCT/IPEA/409 (cover sheet) (July 1998)



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

rnational application No.

PCT/EP2003/004057

1.	Rasis	of the re	ерогі					
1.	With	_	o the elements of the international application:*					
	the international application as originally filed							
	$\overline{\boxtimes}$	the desc	cription:					
		pages	1-41	, as originally filed				
		pages		, filed with the demand				
		pages	, filed with the letter of					
		the clair		as originally filed				
		pages	3 (Part.), 4-30 , as amended (together	, as originally filed with any statement under Article 19				
	•	pages	, as amended (together	, filed with the demand				
	•	pages	1, 2, 3 (Part.) , filed with the letter of					
		pages	, nied with the letter of					
		the drav	wings:					
		pages		, as originally filed				
		pages		, filed with the demand				
		pages	, filed with the letter of					
	\prod_{i}	the seque	ence listing part of the description:					
		pages		, as originally filed				
		pages						
		pages	, filed with the letter of					
_	77 7*							
2.	the in	nternation	to the language, all the elements marked above were available or furnished to this anal application was filed, unless otherwise indicated under this item.					
	Thes	se elemen	nts were available or furnished to this Authority in the following language	which is:				
			nguage of a translation furnished for the purposes of international search (under Ru	le 23.1(b)).				
			nguage of publication of the international application (under Rule 48.3(b)).					
		the lan or 55.3	nguage of the translation furnished for the purposes of international preliminary 3).	examination (under Rule 55.2 and/				
3.	Witl preli	h regard minary e	to any nucleotide and/or amino acid sequence disclosed in the internation was carried out on the basis of the sequence listing:	ional application, the international				
		contair	ned in the international application in written form.					
		filed to	ogether with the international application in computer readable form.					
		furnish	hed subsequently to this Authority in written form.					
		furnish	hed subsequently to this Authority in computer readable form.					
			statement that the subsequently furnished written sequence listing does not ational application as filed has been furnished.	go beyond the disclosure in the				
			tatement that the information recorded in computer readable form is identical furnished.	to the written sequence listing has				
4.		The an	mendments have resulted in the cancellation of:					
••	لــــ		the description, pages					
		=	the claims, Nos					
		=	the drawings, sheets/fig					
5.		This re	eport has been established as if (some of) the amendments had not been made, sir is the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	nce they have been considered to go				
*	in th	lacement .	sheets which have been furnished to the receiving Office in response to an invita rt as "originally filed" and are not annexed to this report since they do no	tion under Article 14 are referred to t contain amendments (Rule 70.16				
**		•	nent sheet containing such amendments must be referred to under item 1 and annes	xed to this report.				
			•					

INTERNATIONAL PRINTINARY EXAMINATION REPORT

International	application No.
EP/EP	application No.

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
1.	Statement

Statement			
Novelty (N)	Claims	1-30	YES :
	Claims		NO :
Inventive step (IS)	Claims	1-30	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-30	YES
	Claims		NO NO

2. Citations and explanations

Reference is made to the following documents:

D1: EP-A-0 328 047 (EMERSON & CUMING INC)

16 August 1989 (1989-08-16)

D2: US-B1-6 284 817 (BENNINGTON LESTER D ET AL)

4 September 2001 (2001-09-04)

D3: US-A-5 855 820 (CHAN MAN-SHEUNG ET AL)

5 January 1999 (1999-01-05)

US-A-3 175 991 (MORRIS LEVINE ET AL)

30 March 1965 (1965-03-30).

The claimed mixtures for the application of a polymer coating differ from those disclosed in D1 to D4 by virtue of the claimed combination of properties of particle type A: the particle size and hardness of particle A claimed in the present application are not known in combination from said documents. The claimed combination of said substance A with a further substance, B or C, or with carbon black is also not disclosed therein.

D4 is considered to be the closest prior art. document (see D4, claims 1, 9 and 10; examples 5-10; column 1, lines 12-56; column 5, lines 16-60; column 6,

line 64 to column 7, line 18) discloses the use, in welding, of polymer coatings containing, for example, ZnO and graphite. The aforementioned claimed combination of properties of particle type A is not disclosed in D1. the examples and comparative examples, the applicant demonstrates that only substance A in combination with any one of substance B, substance C or carbon black, as per the application, yields the desired advantageous combination of properties, namely corrosion resistance, electroconductivity and mechanical strength. The less advantageous properties of coatings that contain either only substance A in a polymer matrix or combinations of substance B and/or substance C and/or carbon black can be seen from the comparative examples.

For the sake of completeness, it is advised that the claims lack clarity as follows:

expressions such as "soft", "hard", "very soft", "lightly ground", "ceraceous properties" and "essentially free of organic lubricant" lack clarity and cannot be considered distinguishing features over the prior art. expression "substances based on compounds or mixtures of...such as, for example,..." lacks clarity.

From the wording for claim 26, it is not clear what acids and/or heavy metals and/or cations are excluded; in particular, the expression "and/or" appears to be misleading in this context.